

Application No.: 09/627566

Docket No.: ATA-286RCE

AMENDMENTS TO THE CLAIMS

Please add new claims 11-14 as shown below.

1. (Previously presented) A radially deployable stent comprising:
a stent structure having an inner surface and an outer surface, and
a stent covering comprising
an inner cover of biocompatible material positioned adjacent said inner surface of
said stent structure, and
an outer cover of biocompatible material positioned adjacent said outer surface of
said stent structure,
wherein at least one of said biocompatible material of said inner cover and said
biocompatible material of said outer cover has a predetermined thickness and has an average
internodal distance (IND) of greater than 100 microns to reduce a deployment pressure
necessary to expand the stent to less than 10 atmospheres.
2. (Original) The stent of claim 1, wherein said inner cover is folded over said outer surface
of said stent structure to form said outer cover.
3. (Original) The stent of claim 1, wherein a first portion of said inner cover is folded over
said outer surface of said stent structure and a second portion of said inner cover is folded over
said first portion of said inner cover.
4. (Original) The stent of claim 1, wherein said inner cover and said outer cover extend
substantially along the entire length of said stent structure.

Application No.: 09/627566

Docket No.: ATA-286RCE

5. (Cancelled)

6. (Previously presented) A radially deployable stent comprising:

a stent structure having an inner surface and an outer surface, and

a stent covering comprising

an inner cover of biocompatible material positioned adjacent said inner surface of said stent structure, and

an outer cover of biocompatible material positioned adjacent said outer surface of said stent structure,

wherein said stent covering has a radial thickness of at least about 0.008" and the average internodal distance (IND) of each of the inner cover and the outer cover of greater than 100 microns to reduce a deployment pressure necessary to expand the stent to less than 10 atmospheres.

7. (Original) The stent of claim 6, wherein said inner cover is folded over said outer surface of said stent structure to form said outer cover.

8. (Original) The stent of claim 7, wherein a first portion of said inner cover is folded over said outer surface of said stent structure and a second portion of said inner cover is folded over said first portion of said inner cover.

Application No.: 09/627566

Docket No.: ATA-286RCE

9. (Original) The stent of claim 6, wherein said inner cover and said outer cover extend substantially along the entire length of said stent structure.

10. (Cancelled)

11. (New) The stent of claim 1, wherein said average internodal distance (IND) of each of the inner cover and the outer cover of greater than 110 microns.

12. (New) The stent of claim 1, wherein said average internodal distance (IND) of each of the inner cover and the outer cover of greater than 135 microns.

13. (New) The stent of claim 6, wherein said average internodal distance (IND) of each of the inner cover and the outer cover of greater than 110 microns.

14. (New) The stent of claim 6, wherein said average internodal distance (IND) of each of the inner cover and the outer cover of greater than 135 microns.